

## **AUTHENTICATING BETWEEN A CDMA NETWORK AND A GSM NETWORK**

### **ABSTRACT**

A general global gateway (GGG) permits authenticating between a CDMA network and a GSM network such that a mobile station having a subscription in a GSM network can roam into a CDMA network and be authenticated to use the CDMA network. The GGG obtains authentication parameters from the mobile station and determines whether the authentication parameters satisfy GGG authentication criteria. During the authentication process, the mobile station is placed in "SMS only" status until authorized by the GGG. Checks are made during the authentication process to assure the GGG and mobile station agree on the number of GSM network accesses and to assure the mobile station is authorized for GSM access for a time period.